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Alberta Oil Sands Plant Statistics

Monthly Supplement January 1998

Alberta Oil Sands Plant Statistics Monthly Supplement

ALBERTA ENERGY AND UTILITIES BOARD
STATISTICAL SERIES

Alberta Oil Sands
Plant Statistics
Monthly Supplement

ALBERTA OIL SANDS PLANT STATISTICS
MONTHLY SUPPLEMENT

ISSN 0822-1499

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Alberta Energy and Utilities Board
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Note: Inquiries regarding this publication
should be directed to the Board's
Oil Sands Department at
(403) 297-2399

1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

NOTES

- ¹ Distillate production does not include heavy fuel oil.
- ² Sulphur production includes flared / waste.
- ³ Synthetic crude oil production does not include diluent naphtha production.
Suncor includes diesel production (SCO site fuel uses.)
- ⁴ Other hydrocarbons production includes light slop material.



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1998

January

Year

Month

Suncor Oil Sands

	Tonnes	Grade
Mined	4 548 340	12.50%
Processed	4 548 340	12.50%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	25 642.6	11 580.0
Generated	na	40 905.0
	25 642.6	52 485.0
Plant Use	10 169.3	52 483.0
Further Processin	15 473.3	0.0
Exported	0.0	2.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	25 642.6	52 485.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	9 567 463	10.45%
Processed	9 601 051	10.70%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	134 286.0	9 694.0
Generated	na	138 671.0
	134 286.0	148 365.0
Plant Use	89 869.0	148 281.9
Further Processin	44 417.0	0.0
Exported	0.0	83.1
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	134 286.0	148 365.0

1998
Year

January
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons ^[4] m ³	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m ³	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	4 691 598	1 378	44 603	70 888
Receipts	0	0	0	0	11 481	0
Production	366 658	21 972	108 182	17 116	526 371	464 901
Closing Inventory	91 083	47 144	4 745 249	1 378	26 208	38 931
	408 879	17 688	54 531	17 116	556 247	496 858
Further Processin	0	15 606	0	0	556 029	377 675
Fuel/Plant Use	4 819	0	54 531	0	0	6 367
Flared/Wasted	0	2 082	0	299	218	0
Metering Diff.	(224)	0	0	0	0	0
Deliveries	404 284	0	0	16 817	0	112 816
	408 879	17 688	54 531	17 116	556 247	496 858
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	594 088	14 777	104 794	28 566	924 317	647 236
Closing Inventory	54 241	67 659	20 229 513	2 015 431	376 914	103 746
	565 053	13 319	29 710	552	770 380	586 590
Further Processin	0	8 770	0	0	770 379	580 582
Fuel/Plant Use	7 676	0	29 710	0	0	6 007
Flared/Wasted	0	4 550	0	552	0	0
Metering Diff.	(52)	(1)	0	0	1	1
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	557 429	0	0	0	0	0
	565 053	13 319	29 710	552	770 380	586 590

1998 January
Year to Date

**Suncor
Oil Sands**

	Tonnes	Grade
Mined	4 548 340	12.50%
Processed	4 548 340	12.50%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	25 642.6	11 580.0
Generated	na	40 905.0
	25 642.6	52 485.0
Plant Use	10 169.3	52 483.0
Further Processin	15 473.3	0.0
Exported	0.0	2.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	25 642.6	52 485.0

**Syncrude
Oil Sands**

	Tonnes	Grade
Mined	9 567 463	10.45%
Processed	9 601 051	10.70%

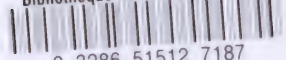
External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	134 286.0	9 694.0
Generated	na	138 671.0
	134 286.0	148 365.0
Plant Use	89 869.0	148 281.9
Further Processin	44 417.0	0.0
Exported	0.0	83.1
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	134 286.0	148 365.0

1998
Year to Date January

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m ³	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m ³	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	4 691 598	1 378	44 603	70 888
Receipts	0	0	0	0	11 481	0
Production	366 658	21 972	108 182	17 116	526 371	464 901
Closing Inventory	91 083	47 144	4 745 249	1 378	26 208	38 931
	408 879	17 688	54 531	17 116	556 247	496 858
Further Processin	0	15 606	0	0	556 029	377 675
Fuel/Plant Use	4 819	0	54 531	0	0	6 367
Flared/Wasted	0	2 082	0	299	218	0
Metering Diff.	(224)	0	0	0	0	0
Deliveries	404 284	0	0	16 817	0	112 816
	408 879	17 688	54 531	17 116	556 247	496 858
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	594 088	14 777	104 794	28 566	924 317	647 236
Closing Inventory	54 241	67 659	20 229 513	2 015 431	376 914	103 746
	565 053	13 319	29 710	552	770 380	586 590
Further Processin	0	8 770	0	0	770 379	580 582
Fuel/Plant Use	7 676	0	29 710	0	0	6 007
Flared/Wasted	0	4 550	0	552	0	0
Metering Diff.	(52)	(1)	0	0	1	1
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	557 429	0	0	0	0	0
	565 053	13 319	29 710	552	770 380	586 590

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3. Liquid volume at 15° C.

NOTES

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Suncor includes diesel production (SCO site fuel uses.)
- ⁴ Other hydrocarbons production includes light slop material.

1998	February
Year	Month

Suncor
Oil Sands

	Tonnes	Grade
Mined	4 742 719	11.65%
Processed	4 742 719	11.65%
External Energy		
	Gas	Electric
	10 ³ m ³	MWh
Purchased	20 258.8	6 179.0
Generated	na	41 096.0
	20 258.8	47 275.0
Plant Use	5 991.5	47 222.0
Further Processing	14 185.7	0.0
Exported	0.0	53.0
Flared	81.6	0.0
Metering Diff.	0.0	0.0
	20 258.8	47 275.0

Syncrude
Oil Sands

	Tonnes	Grade
Mined	9 806 199	10.80%
Processed	10 115 430	10.74%
External Energy		
	Gas	Electric
	10 ³ m ³	MWh
Purchased	109 591.0	11 928.0
Generated	na	129 575.0
	109 591.0	141 503.0
Plant Use	53 548.0	141 481.6
Further Processing	56 043.0	0.0
Exported	0.0	21.4
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	109 591.0	141 503.0

Bitumen Synthetic Plant Operations

2

1998
Year

February
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor		Diluent Naphtha				
Opening Inventory	91 083	47 144	5 548 560	1 378	26 208	38 931
Receipts	0	0	0	0	11 558	0
Production	345 988	20 788	97 931	15 848	505 968	419 004
Closing Inventory	95 512	45 183	5 609 683	1 397	40 197	30 235
	341 559	22 749	36 808	15 829	503 537	427 700
Further Processing	0	20 011	0	0	503 228	351 793
Fuel/Plant Use	4 385	0	59 948	0	0	777
Flared/Wasted	0	2 738	0	315	309	19
Metering Diff.	(276)	0	(23 140)	0	0	0
Deliveries	337 450	0	0	15 514	0	75 111
	341 559	22 749	36 808	15 829	503 537	427 700

Syncrude		Diluent Naphtha				
Opening Inventory	54 241	67 659	20 229 513	2 015 431	376 914	103 746
Receipts	0	0	0	0	0	0
Production	831 959	12 348	137 588	35 912	980 593	786 523
Closing Inventory	50 951	66 412	20 328 094	2 050 715	423 979	70 070
	835 249	13 595	39 007	628	933 528	820 199
Further Processing	0	8 223	0	0	933 529	816 075
Fuel/Plant Use	8 374	0	39 007	0	0	4 125
Flared/Wasted	0	5 371	0	628	0	0
Metering Diff.	6	1	0	0	(1)	(1)
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	826 869	0	0	0	0	0
	835 249	13 595	39 007	628	933 528	820 199

1998 February
Year to Date

Suncor
Oil Sands

	Tonnes	Grade
Mined	9 291 059	12.07%
Processed	9 291 059	12.07%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	45 901.4	17 759.0
Generated	na	82 001.0
	45 901.4	99 760.0

Plant Use	16 160.8	99 705.0
Further Processing	29 659.0	0.0
Exported	0.0	55.0
Flared	81.6	0.0
Metering Diff.	0.0	0.0
	45 901.4	99 760.0

Synchrude
Oil Sands

	Tonnes	Grade
Mined	19 373 662	10.63%
Processed	19 716 481	10.72%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	243 877.0	21 622.0
Generated	na	268 246.0
	243 877.0	289 868.0

Plant Use	143 417.0	289 763.5
Further Processing	100 460.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	243 877.0	289 868.0

Bitumen Synthetic Plant Operations

4

1998 February
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m ³	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m ³	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	23 039	0
Production	712 646	42 760	206 113	32 964	1 032 339	883 905
Closing Inventory	95 512	45 183	5 609 683	1 397	40 197	30 235
	750 438	40 437	91 339	32 945	1 059 784	924 558
Further Processing	0	35 617	0	0	1 059 257	729 468
Fuel/Plant Use	9 204	0	114 479	0	0	7 144
Flared/Wasted	0	4 820	0	614	527	19
Metering Diff.	(500)	0	(23 140)	0	0	0
Deliveries	741 734	0	0	32 331	0	187 927
	750 438	40 437	91 339	32 945	1 059 784	924 558
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	1 426 047	27 125	242 382	64 478	1 904 910	1 433 759
Closing Inventory	50 951	66 412	20 328 094	2 050 715	423 979	70 070
	1 400 302	26 914	68 717	1 180	1 703 908	1 406 789
Further Processing	0	16 993	0	0	1 703 908	1 396 657
Fuel/Plant Use	16 050	0	68 717	0	0	10 132
Flared/Wasted	0	9 921	0	1 180	0	0
Metering Diff.	(46)	0	0	0	0	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 384 298	0	0	0	0	0
	1 400 302	26 914	68 717	1 180	1 703 908	1 406 789

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3. Liquid volume at 15° C.

NOTES

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- ³ Synthetic crude oil production does not include diluent naphtha production.
Suncor includes diesel production (SCO site fuel uses.)
- ⁴ Other hydrocarbons production includes light slop material.

1998	March
Year	Month

Suncor
Oil Sands

	Tonnes	Grade
Mined	5 608 659	11.10%
Processed	5 608 659	11.10%

External Energy		
	Gas	Electric
	10 ³ m ³	MWh
Purchased	22 591.1	13 542.0
Generated	na	40 832.0
	22 591.1	54 374.0

Plant Use	6 416.0	54 343.0
Further Processing	15 305.7	0.0
Exported	0.0	31.0
Flared	869.4	0.0
Metering Diff.	0.0	0.0
	22 591.1	54 374.0

Syncrude
Oil Sands

	Tonnes	Grade
Mined	13 674 768	11.33%
Processed	13 499 374	11.34%

External Energy		
	Gas	Electric
	10 ³ m ³	MWh
Purchased	117 908.0	22 537.0
Generated	na	156 537.0
	117 908.0	179 074.0

Plant Use	43 596.0	179 074.0
Further Processing	74 312.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	117 908.0	179 074.0

Bitumen Synthetic Plant Operations

2

1998
Year

March
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor		Diluent Naphtha				
Opening Inventory	95 512	45 183	5 609 683	1 397	40 197	30 235
Receipts	0	0	0	0	12 594	0
Production	337 254	22 685	111 895	16 620	569 493	472 403
Closing Inventory	82 406	41 770	5 619 535	1 397	45 067	70 343
	350 360	26 098	102 043	16 620	577 217	432 295
Further Processing	0	23 308	0	0	577 151	343 660
Fuel/Plant Use	5 416	0	102 043	0	0	(622)
Flared/Wasted	0	2 790	0	334	66	9
Metering Diff.	5 541	0	0	0	0	(5 744)
Deliveries	339 403	0	0	16 286	0	94 992
	350 360	26 098	102 043	16 620	577 217	432 295

Syncrude		Diluent Naphtha				
Opening Inventory	50 951	66 412	20 328 094	2 050 715	423 979	70 070
Receipts	0	0	0	0	0	0
Production	1 210 159	18 653	210 750	50 054	1 412 811	1 173 837
Closing Inventory	117 984	64 350	20 479 096	2 099 989	448 561	56 180
	1 143 126	20 715	59 748	780	1 388 229	1 187 727
Further Processing	0	11 985	0	0	1 388 231	1 185 629
Fuel/Plant Use	13 637	0	59 749	0	0	2 097
Flared/Wasted	0	8 729	0	780	0	0
Metering Diff.	(121)	1	(1)	0	(2)	1
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 129 610	0	0	0	0	0
	1 143 126	20 715	59 748	780	1 388 229	1 187 727

1998 March
Year to Date

Suncor Oil Sands		
	Tonnes	Grade
Mined	14 899 718	11.70%
Processed	14 899 718	11.70%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	68 492.5	31 301.0
Generated	na	122 833.0
	68 492.5	154 134.0
Plant Use	22 576.8	154 048.0
Further Processing	44 964.7	0.0
Exported	0.0	86.0
Flared	951.0	0.0
Metering Diff.	0.0	0.0
	68 492.5	154 134.0

Syncrude Oil Sands		
	Tonnes	Grade
Mined	33 048 430	10.92%
Processed	33 215 855	10.97%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	361 785.0	44 159.0
Generated	na	424 783.0
	361 785.0	468 942.0
Plant Use	187 013.0	468 837.5
Further Processing	174 772.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	361 785.0	468 942.0

Bitumen Synthetic Plant Operations

4

1998 March
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m3	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	35 633	0
Production	1 049 900	65 445	318 008	49 584	1 601 832	1 356 308
Closing Inventory	82 406	41 770	5 619 535	1 397	45 067	70 343
	1 100 798	66 535	193 382	49 565	1 637 001	1 356 853
Further Processing	0	58 925	0	0	1 636 408	1 073 128
Fuel/Plant Use	14 620	0	216 522	0	0	6 522
Flared/Wasted	0	7 610	0	948	593	28
Metering Diff.	5 041	0	(23 140)	0	0	(5 744)
Deliveries	1 081 137	0	0	48 617	0	282 919
	1 100 798	66 535	193 382	49 565	1 637 001	1 356 853
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	2 636 206	45 778	453 132	114 532	3 317 721	2 607 596
Closing Inventory	117 984	64 350	20 479 096	2 099 989	448 561	56 180
	2 543 428	47 629	128 465	1 960	3 092 137	2 594 516
Further Processing	0	28 978	0	0	3 092 139	2 582 286
Fuel/Plant Use	29 687	0	128 466	0	0	12 229
Flared/Wasted	0	18 650	0	1 960	0	0
Metering Diff.	(167)	1	(-1)	0	(2)	1
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	2 513 908	0	0	0	0	0
	2 543 428	47 629	128 465	1 960	3 092 137	2 594 516

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Note: Inquiries regarding this publication
should be directed to the Board's
Oil Sands Department at
(403) 297-2399

1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

NOTES

- ¹ Distillate production does not include heavy fuel oil.
- ² Sulphur production includes flared / waste.
- ³ Synthetic crude oil production does not include diluent naphtha production.
Suncor includes diesel production (SCO site fuel uses.)
- ⁴ Other hydrocarbons production includes light slop material.

Bitumen Synthetic Plant Operations

1

1998

April

Year

Month

Suncor Oil Sands

	Tonnes	Grade
Mined	5 407 774	11.16%
Processed	5 407 774	11.16%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	17 260.6	8 808.0
Generated	na	43 212.0
	17 260.6	52 020.0

Plant Use	3 427.3	51 972.0
Further Processing	13 702.9	0.0
Exported	0.0	48.0
Flared	130.4	0.0
Metering Diff.	0.0	0.0
	17 260.6	52 020.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	12 937 721	10.98%
Processed	13 244 334	10.86%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	99 773.0	21 500.0
Generated	na	144 469.0
	99 773.0	165 969.0

Plant Use	35 085.0	165 969.0
Further Processing	64 688.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	99 773.0	165 969.0

Bitumen Synthetic Plant Operations

2

1998

April

Year

Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor						
		Diluent Naphtha				
Opening Inventory	82 406	41 770	5 619 900	1 397	45 067	70 343
Receipts	0	0	0	0	11 881	0
Production	326 319	22 006	110 593	16 212	552 411	456 469
Closing Inventory	67 000	37 919	5 667 960	1 397	40 717	82 600
	341 725	25 857	62 533	16 212	568 642	444 212
Further Processing	0	23 640	0	0	568 570	331 793
Fuel/Plant Use	4 559	0	62 533	0	0	(1 634)
Flared/Wasted	0	2 217	0	291	72	1 728
Metering Diff.	(485)	0	0	0	0	0
Deliveries	337 651	0	0	15 921	0	112 325
	341 725	25 857	62 533	16 212	568 642	444 212

Syncrude

		Diluent Naphtha				
Opening Inventory	117 984	64 350	20 479 096	2 099 989	448 561	56 180
Receipts	0	0	0	0	0	0
Production	1 057 115	19 296	203 311	47 772	1 320 369	1 137 408
Closing Inventory	79 445	65 295	20 624 767	2 147 110	426 383	149 786
	1 095 654	18 351	57 640	651	1 342 547	1 043 802
Further Processing	0	8 151	0	0	1 342 546	1 038 631
Fuel/Plant Use	14 459	0	57 640	0	0	5 171
Flared/Wasted	0	10 200	0	651	0	0
Metering Diff.	69	0	0	0	1	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 081 126	0	0	0	0	0
	1 095 654	18 351	57 640	651	1 342 547	1 043 802

1998

April

Year to Date

Suncor Oil Sands

	Tonnes	Grade
Mined	20 307 492	11.56%
Processed	20 307 492	11.56%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	85 753.1	40 109.0
Generated	na	166 045.0
	85 753.1	206 154.0

Plant Use	26 004.1	206 020.0
Further Processing	58 667.6	0.0
Exported	0.0	134.0
Flared	1 081.4	0.0
Metering Diff.	0.0	0.0
	85 753.1	206 154.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	45 986 151	10.94%
Processed	46 460 189	10.94%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	461 558.0	65 659.0
Generated	na	569 252.0
	461 558.0	634 911.0

Plant Use	222 098.0	634 806.5
Further Processing	239 460.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	461 558.0	634 911.0

Bitumen Synthetic Plant Operations

4

1998

April

Year to Date

Operator	Products			Intermediates		
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m3	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	47 514	0
Production	1 376 219	87 451	428 967	65 796	2 154 243	1 812 777
Closing Inventory	67 000	37 919	5 667 960	1 397	40 717	82 600
	1 442 523	92 392	255 916	65 777	2 205 643	1 801 065
Further Processing	0	82 565	0	0	2 204 978	1 404 921
Fuel/Plant Use	19 179	0	279 056	0	0	4 888
Flared/Wasted	0	9 827	0	1 239	665	1 756
Metering Diff.	4 556	0	(23 140)	0	0	(5 744)
Deliveries	1 418 788	0	0	64 538	0	395 244
	1 442 523	92 392	255 916	65 777	2 205 643	1 801 065
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	3 693 321	65 074	656 443	162 304	4 638 090	3 745 004
Closing Inventory	79 445	65 295	20 624 767	2 147 110	426 383	149 786
	3 639 082	65 980	186 105	2 611	4 434 684	3 638 318
Further Processing	0	37 129	0	0	4 434 685	3 620 917
Fuel/Plant Use	44 146	0	186 106	0	0	17 400
Flared/Wasted	0	28 850	0	2 611	0	0
Metering Diff.	(98)	1	(1)	0	(1)	1
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	3 595 034	0	0	0	0	0
	3 639 082	65 980	186 105	2 611	4 434 684	3 638 318



**Alberta Oil Sands
Plant Statistics
Monthly Supplement
May 1998**

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- ⁴ Other hydrocarbons production includes light slop material.

1998	May
Year	Month

**Suncor
Oil Sands**

	Tonnes	Grade
Mined	4 408 106	12.39%
Processed	4 408 106	12.39%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	17 932.1	16 600.0
Generated	na	31 397.0
	17 932.1	47 997.0

Plant Use	5 647.5	47 997.0
Further Processing	11 532.3	0.0
Exported	0.0	0.0
Flared	752.3	0.0
Metering Diff.	0.0	0.0
	17 932.1	47 997.0

**Synchrude
Oil Sands**

	Tonnes	Grade
Mined	13 239 550	10.82%
Processed	12 901 154	10.92%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	102 551.0	24 593.0
Generated	na	144 284.0
	102 551.0	168 877.0

Plant Use	31 357.0	168 877.0
Further Processing	71 194.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	102 551.0	168 877.0

1998
Year

May
Month

Operator	Products			Intermediates		
	Synthetic Crude Oil ⁽³⁾	Other Hydro -carbons ⁽⁴⁾	Coke	Sulphur ⁽²⁾	Bitumen	Distillate ⁽¹⁾
	m3	m3	tonnes	tonnes	m3	m ³
Suncor		Diluent Naphtha				
Opening Inventory	67 000	37 919	5 667 960	1 397	40 717	82 600
Receipts	0	0	0	0	12 169	0
Production	237 906	17 828	103 433	12 957	500 719	428 813
Closing Inventory	88 483	43 265	5 698 786	1 397	21 779	49 061
	216 423	12 482	72 607	12 957	531 826	462 352
Further Processing	0	9 309	0	0	531 739	242 331
Fuel/Plant Use	5 809	0	72 607	0	0	8 520
Flared/Wasted	0	3 173	0	198	87	2 656
Metering Diff.	3 405	0	0	0	0	(3 203)
Deliveries	207 209	0	0	12 759	0	212 048
	216 423	12 482	72 607	12 957	531 826	462 352

Syncrude		Diluent Naphtha				
Opening Inventory	79 445	65 295	20 624 767	2 147 110	426 383	149 786
Receipts	0	0	0	0	0	0
Production	1 118 912	20 385	207 988	47 987	1 288 818	1 137 045
Closing Inventory	51 873	60 578	20 773 790	2 194 215	361 794	189 389
	1 146 484	25 102	58 965	882	1 353 407	1 097 442
Further Processing	0	12 142	0	0	1 353 407	1 096 086
Fuel/Plant Use	15 856	0	58 965	0	0	1 357
Flared/Wasted	0	12 960	0	883	0	0
Metering Diff.	50	0	0	(1)	0	(1)
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 130 578	0	0	0	0	0
	1 146 484	25 102	58 965	882	1 353 407	1 097 442

1998 May
Year to Date

**Suncor
Oil Sands**

	Tonnes	Grade
Mined	24 715 598	11.71%
Processed	24 715 598	11.71%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	103 685.2	56 709.0
Generated	na	197 442.0
	103 685.2	254 151.0
Plant Use	31 651.6	254 017.0
Further Processing	70 199.9	0.0
Exported	0.0	134.0
Flared	1 833.7	0.0
Metering Diff.	0.0	0.0
	103 685.2	254 151.0

**Syncrude
Oil Sands**

	Tonnes	Grade
Mined	59 225 701	10.91%
Processed	59 361 343	10.94%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	564 109.0	90 252.0
Generated	na	713 536.0
	564 109.0	803 788.0
Plant Use	253 455.0	803 683.5
Further Processing	310 654.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	564 109.0	803 788.0

Bitumen Synthetic Plant Operations

4

1998 May
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m3	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	59 683	0
Production	1 614 125	105 279	532 400	78 753	2 654 962	2 241 590
Closing Inventory	88 483	43 265	5 698 786	1 397	21 779	49 061
	1 658 946	104 874	328 523	78 734	2 737 469	2 263 417
Further Processing	0	91 874	0	0	2 736 717	1 647 252
Fuel/Plant Use	24 988	0	351 663	0	0	13 408
Flared/Wasted	0	13 000	0	1 437	752	4 412
Metering Diff.	7 961	0	(23 140)	0	0	(8 947)
Deliveries	1 625 997	0	0	77 297	0	607 292
	1 658 946	104 874	328 523	78 734	2 737 469	2 263 417
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	4 812 233	85 459	864 431	210 291	5 926 908	4 882 049
Closing Inventory	51 873	60 578	20 773 790	2 194 215	361 794	189 389
	4 785 566	91 082	245 070	3 493	5 788 091	4 735 760
Further Processing	0	49 271	0	0	5 788 092	4 717 003
Fuel/Plant Use	60 002	0	245 071	0	0	18 757
Flared/Wasted	0	41 810	0	3 494	0	0
Metering Diff.	(48)	1	(1)	(1)	(1)	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	4 725 612	0	0	0	0	0
	4 785 566	91 082	245 070	3 493	5 788 091	4 735 760

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3. Liquid volume at 15° C.

NOTES

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- ⁴ Other hydrocarbons production includes light slop material.



1998
Year

June
Month

Suncor Oil Sands

	Tonnes	Grade
Mined	5 487 247	11.46%
Processed	5 487 247	11.46%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	20 895.3	19 059.0
Generated	na	31 334.0
	20 895.3	50 393.0
Plant Use	6 189.9	50 393.0
Further Processing	14 222.1	0.0
Exported	0.0	0.0
Flared	483.3	0.0
Metering Diff.	0.0	0.0
	20 895.3	50 393.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	12 842 006	10.58%
Processed	13 308 256	10.43%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	109 295.0	20 753.0
Generated	na	145 101.0
	109 295.0	165 854.0
Plant Use	34 968.0	165 854.0
Further Processing	74 327.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	109 295.0	165 854.0

Bitumen Synthetic Plant Operations

2

1998

June

Year

Month

Operator	Products		Intermediates			
	Synthetic	Other Hydro	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	Crude Oil ^[3]	-carbons ^[4]				
	m3	m3	tonnes	tonnes	m3	m ³
Suncor		Diluent				
		Naphtha				
Opening Inventory	88 483	43 265	5 698 747	1 397	21 779	49 061
Receipts	0	0	0	0	10 285	0
Production	330 841	12 832	111 448	16 163	573 380	465 221
Closing Inventory	80 131	36 692	5 705 512	1 397	32 403	53 211
	339 193	19 405	104 683	16 163	573 041	461 071
Further Processing	0	16 829	0	0	571 935	334 961
Fuel/Plant Use	5 783	0	104 683	0	0	(3 997)
Flared/Wasted	0	2 576	0	232	1 106	47
Metering Diff.	770	0	0	0	0	(973)
Deliveries	332 640	0	0	15 931	0	131 033
	339 193	19 405	104 683	16 163	573 041	461 071
Syncrude		Diluent				
		Naphtha				
Opening Inventory	51 873	60 578	20 773 790	2 194 215	361 794	189 389
Receipts	0	0	0	0	0	0
Production	1 199 223	24 347	200 691	49 680	1 245 794	1 093 214
Closing Inventory	41 177	70 127	20 917 584	2 243 042	285 227	98 930
	1 209 919	14 798	56 897	853	1 322 361	1 183 673
Further Processing	0	8 088	0	0	1 322 361	1 178 619
Fuel/Plant Use	19 158	0	56 897	0	0	5 053
Flared/Wasted	0	6 710	0	852	0	0
Metering Diff.	19	0	0	1	0	1
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 190 742	0	0	0	0	0
	1 209 919	14 798	56 897	853	1 322 361	1 183 673

1998 June
Year to Date

**Suncor
Oil Sands**

	Tonnes	Grade
Mined	30 202 845	11.66%
Processed	30 202 845	11.66%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	124 580.5	75 768.0
Generated	na	228 776.0
	124 580.5	304 544.0

Plant Use	37 841.5	304 410.0
Further Processing	84 422.0	0.0
Exported	0.0	134.0
Flared	2 317.0	0.0
Metering Diff.	0.0	0.0
	124 580.5	304 544.0

**Synchrude
Oil Sands**

	Tonnes	Grade
Mined	72 067 707	10.85%
Processed	72 669 599	10.84%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	673 404.0	111 005.0
Generated	na	858 637.0
	673 404.0	969 642.0

Plant Use	288 423.0	969 537.5
Further Processing	384 981.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	673 404.0	969 642.0

Bitumen Synthetic Plant Operations

4

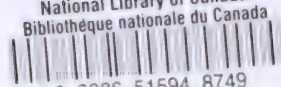
1998

June

Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m ³	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m ³	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	69 770	0
Production	1 944 966	118 111	643 809	94 916	3 228 342	2 706 811
Closing Inventory	80 131	36 692	5 705 512	1 397	32 403	53 211
	1 998 139	124 279	433 206	94 897	3 310 312	2 724 488
Further Processing	0	108 703	0	0	3 308 454	1 982 213
Fuel/Plant Use	30 771	0	456 346	0	0	9 411
Flared/Wasted	0	15 576	0	1 669	1 858	4 459
Metering Diff.	8 731	0	(23 140)	0	0	(9 920)
Deliveries	1 958 637	0	0	93 228	0	738 325
	1 998 139	124 279	433 206	94 897	3 310 312	2 724 488
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	6 011 456	109 806	1 065 122	259 971	7 172 702	5 975 263
Closing Inventory	41 177	70 127	20 917 584	2 243 042	285 227	98 930
	5 995 485	105 880	301 967	4 346	7 110 452	5 919 433
Further Processing	0	57 359	0	0	7 110 453	5 895 622
Fuel/Plant Use	79 160	0	301 968	0	0	23 810
Flared/Wasted	0	48 520	0	4 346	0	0
Metering Diff.	(29)	1	(1)	0	(1)	1
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	5 916 354	0	0	0	0	0
	5 995 485	105 880	301 967	4 346	7 110 452	5 919 433

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- ⁴ Other hydrocarbons production includes light slop material.

1998

Year

July

Month

**Suncor
Oil Sands**

	Tonnes	Grade
Mined	4 933 903	12.33%
Processed	4 933 903	12.33%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	21 529.7	20 323.0
Generated	na	30 405.0
	21 529.7	50 728.0

Plant Use	6 289.4	50 728.0
Further Processing	14 900.5	0.0
Exported	0.0	0.0
Flared	339.8	0.0
Metering Diff.	0.0	0.0
	21 529.7	50 728.0

**Syncrude
Oil Sands**

	Tonnes	Grade
Mined	12 581 553	10.41%
Processed	13 156 104	10.60%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	117 733.0	17 817.0
Generated	na	146 934.0
	117 733.0	164 751.0

Plant Use	40 522.0	164 751.0
Further Processing	77 211.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	117 733.0	164 751.0

Bitumen Synthetic Plant Operations

2

1998

July

Year

Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor						
		Diluent Naphtha				
Opening Inventory	80 131	36 692	5 705 512	1 397	32 403	53 211
Receipts	0	0	0	0	13 456	596
Production	348 256	10 990	110 962	16 388	552 589	469 978
Closing Inventory	78 462	36 481	5 663 512	1 397	27 909	20 802
	349 925	11 201	152 962	16 388	570 539	502 983
Further Processing	0	8 732	0	0	570 255	353 540
Fuel/Plant Use	6 386	0	152 962	0	0	2 258
Flared/Wasted	0	2 469	0	255	284	0
Metering Diff.	(218)	0	0	0	0	382
Deliveries	343 757	0	0	16 133	0	146 803
	349 925	11 201	152 962	16 388	570 539	502 983

Syncrude

		Diluent Naphtha				
Opening Inventory	41 177	70 127	20 917 584	2 243 042	285 227	98 930
Receipts	0	0	0	0	0	0
Production	969 607	14 491	156 445	40 187	1 256 212	911 161
Closing Inventory	17 052	70 167	21 029 676	2 282 499	447 241	53 541
	993 732	14 451	44 353	730	1 094 198	956 550
Further Processing	0	8 949	0	0	1 094 199	951 804
Fuel/Plant Use	9 655	0	44 353	0	0	4 747
Flared/Wasted	0	5 502	0	730	0	0
Metering Diff.	43	0	0	0	(1)	(1)
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	984 034	0	0	0	0	0
	993 732	14 451	44 353	730	1 094 198	956 550

1998 July
Year to Date

**Suncor
Oil Sands**

	Tonnes	Grade
Mined	35 136 748	11.76%
Processed	35 136 748	11.76%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	146 110.2	96 091.0
Generated	na	259 181.0
	146 110.2	355 272.0

Plant Use	44 130.9	355 138.0
Further Processing	99 322.5	0.0
Exported	0.0	134.0
Flared	2 656.8	0.0
Metering Diff.	0.0	0.0
	146 110.2	355 272.0

**Syncrude
Oil Sands**

	Tonnes	Grade
Mined	84 649 260	10.79%
Processed	85 825 703	10.81%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	791 137.0	128 822.0
Generated	na	1 005 571.0
	791 137.0	1 134 393.0

Plant Use	328 945.0	1 134 288.5
Further Processing	462 192.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	791 137.0	1 134 393.0

Bitumen Synthetic Plant Operations

4

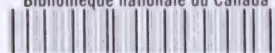
1998

July

Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m3	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	83 226	596
Production	2 293 222	129 101	754 771	111 304	3 780 931	3 176 789
Closing Inventory	78 462	36 481	5 663 512	1 397	27 909	20 802
	2 348 064	135 480	586 168	111 285	3 880 851	3 227 471
Further Processing	0	117 435	0	0	3 878 709	2 335 753
Fuel/Plant Use	37 157	0	609 308	0	0	11 669
Flared/Wasted	0	18 045	0	1 924	2 142	4 459
Metering Diff.	8 513	0	(23 140)	0	0	(9 538)
Deliveries	2 302 394	0	0	109 361	0	885 128
	2 348 064	135 480	586 168	111 285	3 880 851	3 227 471
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	6 981 063	124 297	1 221 567	300 158	8 428 914	6 886 424
Closing Inventory	17 052	70 167	21 029 676	2 282 499	447 241	53 541
	6 989 217	120 331	346 320	5 076	8 204 650	6 875 983
Further Processing	0	66 308	0	0	8 204 652	6 847 426
Fuel/Plant Use	88 815	0	346 321	0	0	28 557
Flared/Wasted	0	54 022	0	5 076	0	0
Metering Diff.	14	1	(1)	0	(2)	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	6 900 388	0	0	0	0	0
	6 989 217	120 331	346 320	5 076	8 204 650	6 875 983

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**Alberta Oil Sands
Plant Statistics
Monthly Supplement
August 1998**

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STATISTICAL SERIES

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(403) 297-2399

1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

NOTES

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- ³ Synthetic crude oil production does not include diluent naphtha production.
Suncor includes diesel production (SCO site fuel uses.)
- ⁴ Other hydrocarbons production includes light slop material.



1998	August
Year	Month

**Suncor
Oil Sands**

Tonnes	Grade
5 725 764	11.64%
5 725 764	11.64%

External Energy

Gas 10 ³ m ³	Electric MWh
21 115.8	24 087.0
na	27 373.0
21 115.8	51 460.0

Plant Use	5 500.4	51 460.0
Further Processing	15 165.8	0.0
Exported	0.0	0.0
Flared	449.6	0.0
Metering Diff.	0.0	0.0
21 115.8	51 460.0	

**Syncrude
Oil Sands**

Tonnes	Grade
12 937 605	10.87%
12 301 762	10.85%

External Energy

Gas 10 ³ m ³	Electric MWh
114 231.0	21 148.0
na	138 470.0
114 231.0	159 618.0

Plant Use	55 302.0	159 618.0
Further Processing	58 929.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
114 231.0	159 618.0	

Bitumen Synthetic Plant Operations

2

1998	August
Year	Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor		Diluent Naphtha				
Opening Inventory	78 462	36 481	5 663 512	1 397	27 909	20 802
Receipts	0	0	0	0	43 692	1 198
Production	351 498	16 181	124 728	17 357	601 681	541 826
Closing Inventory	79 528	41 900	5 647 330	1 397	31 962	91 999
	350 432	10 762	140 910	17 357	641 320	471 827
Further Processing	0	7 551	0	0	641 157	360 719
Fuel/Plant Use	5 496	0	140 910	0	0	8 630
Flared/Wasted	0	3 211	0	245	163	0
Metering Diff.	74	0	0	0	0	418
Deliveries	344 862	0	0	17 112	0	102 060
	350 432	10 762	140 910	17 357	641 320	471 827
Syncrude		Diluent Naphtha				
Opening Inventory	17 052	70 167	21 029 676	2 282 499	447 241	53 541
Receipts	0	0	0	0	0	0
Production	896 529	13 486	155 264	38 789	1 199 545	894 668
Closing Inventory	45 165	67 943	21 140 922	2 320 710	543 802	66 747
	868 416	15 710	44 018	578	1 102 984	881 462
Further Processing	0	10 089	0	0	1 081 345	878 065
Fuel/Plant Use	9 810	0	44 018	0	0	3 397
Flared/Wasted	0	5 621	0	578	0	0
Metering Diff.	(51)	0	0	0	0	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	858 657	0	0	0	21 639	0
	868 416	15 710	44 018	578	1 102 984	881 462



1998 August
Year to Date

**Suncor
Oil Sands**

	Tonnes	Grade
Mined	40 862 512	11.74%
Processed	40 862 512	11.74%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	167 226.0	120 178.0
Generated	na	286 554.0
	167 226.0	406 732.0
Plant Use	49 631.3	406 598.0
Further Processing	114 488.3	0.0
Exported	0.0	134.0
Flared	3 106.4	0.0
Metering Diff.	0.0	0.0
	167 226.0	406 732.0

**Synchrude
Oil Sands**

	Tonnes	Grade
Mined	97 586 865	10.80%
Processed	98 127 465	10.81%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	905 368.0	149 970.0
Generated	na	1 144 041.0
	905 368.0	1 294 011.0
Plant Use	384 247.0	1 293 906.5
Further Processing	521 121.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	905 368.0	1 294 011.0

Bitumen Synthetic Plant Operations

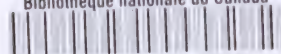
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1998 August

Year to Date

Operator	Products			Intermediates		
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m3	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	126 918	1 794
Production	2 644 720	145 282	879 499	128 661	4 382 612	3 718 615
Closing Inventory	79 528	41 900	5 647 330	1 397	31 962	91 999
	2 698 496	146 242	727 078	128 642	4 522 171	3 699 298
Further Processing	0	124 986	0	0	4 519 866	2 696 472
Fuel/Plant Use	42 653	0	750 218	0	0	20 299
Flared/Wasted	0	21 256	0	2 169	2 305	4 459
Metering Diff.	8 587	0	(23 140)	0	0	(9 120)
Deliveries	2 647 256	0	0	126 473	0	987 188
	2 698 496	146 242	727 078	128 642	4 522 171	3 699 298
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	7 877 592	137 783	1 376 831	338 947	9 628 459	7 781 092
Closing Inventory	45 165	67 943	21 140 922	2 320 710	543 802	66 747
	7 857 633	136 041	390 338	5 654	9 307 634	7 757 445
Further Processing	0	76 397	0	0	9 285 997	7 725 491
Fuel/Plant Use	98 625	0	390 339	0	0	31 954
Flared/Wasted	0	59 643	0	5 654	0	0
Metering Diff.	(37)	1	(1)	0	(2)	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	7 759 045	0	0	0	21 639	0
	7 857 633	136 041	390 338	5 654	9 307 634	7 757 445

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1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

NOTES

- ¹ Distillate production does not include heavy fuel oil.
- ² Sulphur production includes flared / waste.
- ³ Synthetic crude oil production does not include diluent naphtha production.
Suncor includes diesel production (SCO site fuel uses.)
- ⁴ Other hydrocarbons production includes light slop material.

1998
Year

September
Month

Suncor Oil Sands

	Tonnes	Grade
Mined	4 949 894	11.70%
Processed	4 949 894	11.70%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	27 114.3	17 609.0
Generated	na	32 545.0
	27 114.3	50 154.0

Plant Use	11 696.0	50 154.0
Further Processing	14 816.1	0.0
Exported	0.0	0.0
Flared	602.2	0.0
Metering Diff.	0.0	0.0
	27 114.3	50 154.0

Synchrude Oil Sands

	Tonnes	Grade
Mined	13 899 973	10.93%
Processed	13 100 836	10.85%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	94 169.0	18 809.0
Generated	na	145 969.0
	94 169.0	164 778.0

Plant Use	22 120.0	164 778.0
Further Processing	72 049.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	94 169.0	164 778.0

Bitumen Synthetic Plant Operations

2

1998
Year

September
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor		Diluent Naphtha				
Opening Inventory	79 528	41 900	5 647 330	1 397	31 962	91 999
Receipts	0	0	0	0	23 246	1 048
Production	342 687	9 651	107 172	15 767	515 555	452 491
Closing Inventory	59 170	43 272	5 537 914	1 397	18 815	40 684
	363 045	8 279	216 588	15 767	551 948	504 854
Further Processing	0	5 811	0	0	551 804	341 888
Fuel/Plant Use	5 942	0	183 619	0	0	3 840
Flared/Wasted	0	2 468	0	216	144	3 132
Metering Diff.	(1 212)	0	0	0	0	1 294
Deliveries	358 315	0	32 969	15 551	0	154 700
	363 045	8 279	216 588	15 767	551 948	504 854

Syncrude

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor		Diluent Naphtha				
Opening Inventory	45 165	67 943	21 140 922	2 320 710	543 802	66 747
Receipts	0	0	0	0	0	0
Production	1 134 761	14 041	203 316	48 723	1 278 242	1 118 093
Closing Inventory	40 414	68 481	21 286 597	2 368 422	458 716	63 045
	1 139 512	13 503	57 641	1 011	1 363 328	1 121 795
Further Processing	0	7 693	0	0	1 354 187	1 115 447
Fuel/Plant Use	10 049	0	57 641	0	0	6 348
Flared/Wasted	0	5 809	0	1 011	0	0
Metering Diff.	9	1	0	0	(1)	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 129 454	0	0	0	9 142	0
	1 139 512	13 503	57 641	1 011	1 363 328	1 121 795

1998 September
Year to Date

Suncor Oil Sands

	Tonnes	Grade
Mined	45 812 406	11.74%
Processed	45 812 406	11.74%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	194 340.3	137 787.0
Generated	na	319 099.0
	194 340.3	456 886.0
Plant Use	61 327.3	456 752.0
Further Processing	129 304.4	0.0
Exported	0.0	134.0
Flared	3 708.6	0.0
Metering Diff.	0.0	0.0
	194 340.3	456 886.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	111 486 838	10.81%
Processed	111 228 301	10.82%
External Energy		
	Gas 10 ³ m ³	Electric MWh
Purchased	999 537.0	168 779.0
Generated	na	1 290 010.0
	999 537.0	1 458 789.0
Plant Use	406 367.0	1 458 684.5
Further Processing	593 170.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	999 537.0	1 458 789.0

Bitumen Synthetic Plant Operations

4

1998 September
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m3	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	150 164	2 842
Production	2 987 407	154 933	986 671	144 428	4 898 167	4 171 106
Closing Inventory	59 170	43 272	5 537 914	1 397	18 815	40 684
	3 061 541	154 521	943 666	144 409	5 074 119	4 204 152
Further Processing	0	130 797	0	0	5 071 670	3 038 360
Fuel/Plant Use	48 595	0	933 837	0	0	24 139
Flared/Wasted	0	23 724	0	2 385	2 449	7 591
Metering Diff.	7 375	0	(23 140)	0	0	(7 826)
Deliveries	3 005 571	0	32 969	142 024	0	1 141 888
	3 061 541	154 521	943 666	144 409	5 074 119	4 204 152
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	9 012 353	151 824	1 580 147	387 670	10 906 701	8 899 185
Closing Inventory	40 414	68 481	21 286 597	2 368 422	458 716	63 045
	8 997 145	149 544	447 979	6 665	10 670 962	8 879 240
Further Processing	0	84 090	0	0	10 640 184	8 840 938
Fuel/Plant Use	108 674	0	447 980	0	0	38 302
Flared/Wasted	0	65 452	0	6 665	0	0
Metering Diff.	(28)	2	(1)	0	(3)	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	8 888 499	0	0	0	30 781	0
	8 997 145	149 544	447 979	6 665	10 670 962	8 879 240

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Bitumen Synthetic Plant Operations

1

1998
Year

October
Month

Suncor Oil Sands

	Tonnes	Grade
Mined	5 035 689	11.62%
Processed	5 035 689	11.62%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	22 567.1	16 268.0
Generated	na	40 335.0
	22 567.1	56 603.0
Plant Use	6 865.8	56 603.0
Further Processing	15 169.3	0.0
Exported	0.0	0.0
Flared	532.0	0.0
Metering Diff.	0.0	0.0
	22 567.1	56 603.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	13 511 104	10.70%
Processed	12 963 284	10.90%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	106 757.0	19 154.0
Generated	na	149 753.0
	106 757.0	168 907.0
Plant Use	31 346.0	168 907.0
Further Processing	75 411.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	106 757.0	168 907.0

Bitumen Synthetic Plant Operations

2

1998
Year

October
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor		Diluent Naphtha				
Opening Inventory	59 170	43 272	5 537 914	1 397	18 815	40 684
Receipts	0	0	0	0	19 242	878
Production	341 635	12 234	106 114	16 011	531 143	456 886
Closing Inventory	77 393	41 626	5 441 774	1 397	23 587	33 557
	323 412	13 880	202 254	16 011	545 613	464 891
Further Processing	0	9 572	0	0	544 763	351 467
Fuel/Plant Use	6 181	0	169 230	0	0	2 662
Flared/Wasted	0	4 308	0	332	850	636
Metering Diff.	(693)	0	0	0	0	541
Deliveries	317 924	0	33 024	15 679	0	109 585
	323 412	13 880	202 254	16 011	545 613	464 891

Syncrude		Diluent Naphtha				
Opening Inventory	40 414	68 481	21 286 597	2 368 422	458 716	63 045
Receipts	0	0	0	0	0	0
Production	1 169 871	14 094	206 943	50 522	1 282 781	1 136 817
Closing Inventory	37 967	66 984	21 434 871	2 418 110	384 900	45 595
	1 172 318	15 591	58 669	834	1 356 597	1 154 267
Further Processing	0	8 620	0	0	1 356 597	1 148 793
Fuel/Plant Use	11 120	0	58 669	0	0	5 474
Flared/Wasted	0	6 971	0	834	0	0
Metering Diff.	4	0	0	0	0	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 161 194	0	0	0	0	0
	1 172 318	15 591	58 669	834	1 356 597	1 154 267

1998 October
Year to Date

Suncor Oil Sands

	Tonnes	Grade
Mined	50 848 095	11.72%
Processed	50 848 095	11.72%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	216 907.4	154 055.0
Generated	na	359 434.0
	216 907.4	513 489.0

Plant Use	68 193.1	513 355.0
Further Processing	144 473.7	0.0
Exported	0.0	134.0
Flared	4 240.6	0.0
Metering Diff.	0.0	0.0
	216 907.4	513 489.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	124 997 942	10.80%
Processed	124 191 585	10.82%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	1 106 294.0	187 933.0
Generated	na	1 439 763.0
	1 106 294.0	1 627 696.0

Plant Use	437 713.0	1 627 591.5
Further Processing	668 581.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	1 106 294.0	1 627 696.0

Bitumen Synthetic Plant Operations

4

1998 October
Year to Date

Operator	Products			Intermediates		
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m ³	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m ³	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	169 406	3 720
Production	3 329 042	167 167	1 092 785	160 439	5 429 310	4 627 992
Closing Inventory	77 393	41 626	5 441 774	1 397	23 587	33 557
	3 384 953	168 401	1 145 920	160 420	5 619 732	4 669 043
Further Processing	0	140 369	0	0	5 616 433	3 389 827
Fuel/Plant Use	54 776	0	1 103 067	0	0	26 801
Flared/Wasted	0	28 032	0	2 717	3 299	8 227
Metering Diff.	6 682	0	(23 140)	0	0	(7 285)
Deliveries	3 323 495	0	65 993	157 703	0	1 251 473
	3 384 953	168 401	1 145 920	160 420	5 619 732	4 669 043
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	0	0
Production	10 182 224	165 918	1 787 090	438 192	12 189 482	10 036 002
Closing Inventory	37 967	66 984	21 434 871	2 418 110	384 900	45 595
	10 169 463	165 135	506 648	7 499	12 027 559	10 033 507
Further Processing	0	92 710	0	0	11 996 781	9 989 731
Fuel/Plant Use	119 794	0	506 649	0	0	43 776
Flared/Wasted	0	72 423	0	7 499	0	0
Metering Diff.	(24)	2	(1)	0	(3)	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	10 049 693	0	0	0	30 781	0
	10 169 463	165 135	506 648	7 499	12 027 559	10 033 507

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**Alberta Oil Sands
Plant Statistics
Monthly Supplement
November 1998**

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ALBERTA ENERGY AND UTILITIES BOARD
STATISTICAL SERIES

ALBERTA OIL SANDS PLANT STATISTICS
MONTHLY SUPPLEMENT

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Note: Inquiries regarding this publication
should be directed to the Board's
Oil Sands Department at
(403) 297-2399

1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

NOTES

¹ Distillate production does not include heavy fuel oil.

² Sulphur production includes flared / waste.

³ Synthetic crude oil production does not include diluent naphtha production.
Suncor includes diesel production (SCO site fuel uses.)

⁴ Other hydrocarbons production includes light slop material.

1998
Year

November
Month

Suncor Oil Sands

	Tonnes	Grade
Mined	5 555 709	11.18%
Processed	5 555 709	11.18%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	22 906.0	15 187.0
Generated	na	43 906.0
	22 906.0	59 093.0

Plant Use	7 580.2	59 093.0
Further Processing	15 175.7	0.0
Exported	0.0	0.0
Flared	150.1	0.0
Metering Diff.	0.0	0.0
	22 906.0	59 093.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	10 695 510	10.24%
Processed	12 003 411	10.35%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	109 943.0	11 108.0
Generated	na	147 316.0
	109 943.0	158 424.0

Plant Use	47 000.0	158 424.0
Further Processing	62 943.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	109 943.0	158 424.0

Bitumen Synthetic Plant Operations

2

1998
Year

November
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Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes	tonnes	m3	m ³
Suncor						
		Diluent Naphtha				
Opening Inventory	77 393	41 626	5 441 774	1 397	23 587	33 557
Receipts	0	0	0	0	19 931	109
Production	373 752	11 529	110 284	16 546	557 940	483 671
Closing Inventory	127 859	41 393	5 329 659	1 397	22 375	26 382
	323 286	11 762	222 399	16 546	579 083	490 955
Further Processing	0	8 435	0	0	566 587	382 697
Fuel/Plant Use	5 579	0	200 620	0	0	3 095
Flared/Wasted	0	3 327	0	283	466	0
Metering Diff.	(374)	0	0	0	0	0
Deliveries	318 081	0	21 779	16 263	12 030	105 163
	323 286	11 762	222 399	16 546	579 083	490 955

Syncrude

		Diluent Naphtha				
Opening Inventory	37 967	66 984	21 434 871	2 418 110	384 900	45 595
Receipts	0	0	0	0	12 018	0
Production	981 263	12 900	182 703	42 622	1 106 856	972 262
Closing Inventory	38 030	67 516	21 565 777	2 459 712	330 414	51 492
	981 200	12 368	51 797	1 020	1 173 360	966 365
Further Processing	0	7 801	0	0	1 173 360	963 553
Fuel/Plant Use	11 606	0	51 797	0	0	2 812
Flared/Wasted	0	4 567	0	1 020	0	0
Metering Diff.	0	0	0	0	0	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	969 594	0	0	0	0	0
	981 200	12 368	51 797	1 020	1 173 360	966 365

1998 November
Year to Date

Suncor Oil Sands

	Tonnes	Grade
Mined	56 403 804	11.67%
Processed	56 403 804	11.67%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	239 813.4	169 242.0
Generated	na	403 340.0
	239 813.4	572 582.0

Plant Use	75 773.3	572 448.0
Further Processing	159 649.4	0.0
Exported	0.0	134.0
Flared	4 390.7	0.0
Metering Diff.	0.0	0.0
	239 813.4	572 582.0

Synchrude Oil Sands

	Tonnes	Grade
Mined	135 693 452	10.76%
Processed	136 194 996	10.78%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	1 216 237.0	199 041.0
Generated	na	1 587 079.0
	1 216 237.0	1 786 120.0

Plant Use	484 713.0	1 786 015.5
Further Processing	731 524.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	1 216 237.0	1 786 120.0

Bitumen Synthetic Plant Operations

4

1998 November
Year to Date

Operator	Products			Intermediates		
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons ^[4] m ³	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m ³	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	189 337	3 829
Production	3 702 794	178 696	1 203 069	176 985	5 987 250	5 111 663
Closing Inventory	127 859	41 393	5 329 659	1 397	22 375	26 382
	3 708 239	180 163	1 368 319	176 966	6 198 815	5 159 998
Further Processing	0	148 804	0	0	6 183 020	3 772 524
Fuel/Plant Use	60 355	0	1 303 687	0	0	29 896
Flared/Wasted	0	31 359	0	3 000	3 765	8 227
Metering Diff.	6 308	0	(23 140)	0	0	(7 285)
Deliveries	3 641 576	0	87 772	173 966	12 030	1 356 636
	3 708 239	180 163	1 368 319	176 966	6 198 815	5 159 998
Syncrude		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	12 018	0
Production	11 163 487	178 818	1 969 793	480 814	13 296 338	11 008 264
Closing Inventory	38 030	67 516	21 565 777	2 459 712	330 414	51 492
	11 150 663	177 503	558 445	8 519	13 200 919	10 999 872
Further Processing	0	100 511	0	0	13 170 141	10 953 284
Fuel/Plant Use	131 400	0	558 446	0	0	46 588
Flared/Wasted	0	76 990	0	8 519	0	0
Metering Diff.	(24)	2	(1)	0	(3)	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	11 019 287	0	0	0	30 781	0
	11 150 663	177 503	558 445	8 519	13 200 919	10 999 872

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1. Grade: Mass per cent Bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15° C.
3. Liquid volume at 15° C.

NOTES

- ¹ Distillate production does not include heavy fuel oil.
- ² Sulphur production includes flared / waste.
- ³ Synthetic crude oil production does not include diluent naphtha production.
Suncor includes diesel production (SCO site fuel uses.)
- ⁴ Other hydrocarbons production includes light slop material.

1998
Year

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Month

Suncor Oil Sands

	Tonnes	Grade
Mined	5 993 180	10.71%
Processed	5 993 180	10.71%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	25 644.4	17 780.0
Generated	na	46 124.0
	25 644.4	63 904.0
Plant Use	8 775.4	63 904.0
Further Processing	16 218.2	0.0
Exported	0.0	0.0
Flared	650.8	0.0
Metering Diff.	0.0	0.0
	25 644.4	63 904.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	13 169 690	10.36%
Processed	14 338 850	10.37%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	119 663.0	12 670.0
Generated	na	167 828.0
	119 663.0	180 498.0
Plant Use	47 603.0	180 498.0
Further Processing	72 060.0	0.0
Exported	0.0	0.0
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	119 663.0	180 498.0

Bitumen Synthetic Plant Operations

2

1998
Year

December
Month

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3]	Other Hydro -carbons ^[4]	Coke	Sulphur ^[2]	Bitumen	Distillate ^[1]
	m3	m3	tonnes'	tonnes	m3	m ³
Suncor		Diluent Naphtha				
Opening Inventory	127 859	41 393	5 329 659	1 397	22 375	26 382
Receipts	0	0	0	0	20 736	0
Production	359 717	15 463	112 883	16 313	572 744	491 219
Closing Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
	394 963	16 265	202 131	16 313	594 010	495 623
Further Processing	0	12 357	0	0	580 158	364 235
Fuel/Plant Use	4 455	0	182 629	0	0	3 106
Flared/Wasted	0	3 908	0	268	257	19
Metering Diff.	535	0	0	0	0	(1 423)
Deliveries	389 973	0	19 502	16 045	13 595	129 686
	394 963	16 265	202 131	16 313	594 010	495 623

Syncrude

		Diluent Naphtha				
Opening Inventory	38 030	67 516	21 565 777	2 459 712	330 414	51 492
Receipts	0	0	0	0	13 595	0
Production	1 158 155	14 227	208 986	50 826	1 343 894	1 140 813
Closing Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
	1 171 139	14 817	59 248	1 004	1 368 231	1 141 481
Further Processing	0	9 720	0	0	1 368 232	1 136 974
Fuel/Plant Use	8 353	0	59 248	0	0	4 507
Flared/Wasted	0	5 096	0	1 004	0	0
Metering Diff.	23	1	0	0	(1)	0
Diluent Carryover /Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	1 162 763	0	0	0	0	0
	1 171 139	14 817	59 248	1 004	1 368 231	1 141 481

1998 December
Year to Date

Suncor Oil Sands

	Tonnes	Grade
Mined	62 396 984	11.58%
Processed	62 396 984	11.58%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	265 457.8	187 022.0
Generated	na	449 464.0
	265 457.8	636 486.0

Plant Use	84 548.7	636 352.0
Further Processing	175 867.6	0.0
Exported	0.0	134.0
Flared	5 041.5	0.0
Metering Diff.	0.0	0.0
	265 457.8	636 486.0

Syncrude Oil Sands

	Tonnes	Grade
Mined	148 863 142	10.72%
Processed	150 533 846	10.74%

External Energy

	Gas 10 ³ m ³	Electric MWh
Purchased	1 335 900.0	211 711.0
Generated	na	1 754 907.0
	1 335 900.0	1 966 618.0

Plant Use	532 316.0	1 966 513.5
Further Processing	803 584.0	0.0
Exported	0.0	104.5
Flared	0.0	0.0
Metering Diff.	0.0	0.0
	1 335 900.0	1 966 618.0



Bitumen Synthetic Plant Operations

4

1998 December
Year to Date

Operator	Products		Intermediates			
	Synthetic Crude Oil ^[3] m ³	Other Hydro -carbons [4] m3	Coke tonnes	Sulphur ^[2] tonnes	Bitumen m3	Distillate ^[1] m ³
Suncor		Diluent Naphtha				
Opening Inventory	133 304	42 860	5 494 909	1 378	44 603	70 888
Receipts	0	0	0	0	210 073	3 829
Production	4 062 511	194 159	1 315 952	193 298	6 559 994	5 602 882
Closing Inventory	92 613	40 591	5 240 411	1 397	21 845	21 978
	4 103 202	196 428	1 570 450	193 279	6 792 825	5 655 621

Further Processing	0	161 161	0	0	6 763 178	4 136 759
Fuel/Plant Use	64 810	0	1 486 316	0	0	33 002
Flared/Wasted	0	35 267	0	3 268	4 022	8 246
Metering Diff.	6 843	0	(23 140)	0	0	(8 708)
Deliveries	4 031 549	0	107 274	190 011	25 625	1 486 322
	4 103 202	196 428	1 570 450	193 279	6 792 825	5 655 621

Syncrude

		Diluent Naphtha				
Opening Inventory	25 206	66 201	20 154 429	1 987 417	222 977	43 100
Receipts	0	0	0	0	25 613	0
Production	12 321 642	193 045	2 178 779	531 640	14 640 232	12 149 077
Closing Inventory	25 046	66 926	21 715 515	2 509 534	319 672	50 824
	12 321 802	192 320	617 693	9 523	14 569 150	12 141 353

Further Processing	0	110 231	0	0	14 538 373	12 090 258
Fuel/Plant Use	139 753	0	617 694	0	0	51 095
Flared/Wasted	0	82 086	0	9 523	0	0
Metering Diff.	(1)	3	(1)	0	(4)	0
Diluent Carryover						
/Rerun	0	0	0	0	0	0
To Suncor	0	0	0	0	0	0
Deliveries	12 182 050	0	0	0	30 781	0
	12 321 802	192 320	617 693	9 523	14 569 150	12 141 353



